

# FAREHAM URBAN DISTRICT COUNCIL.

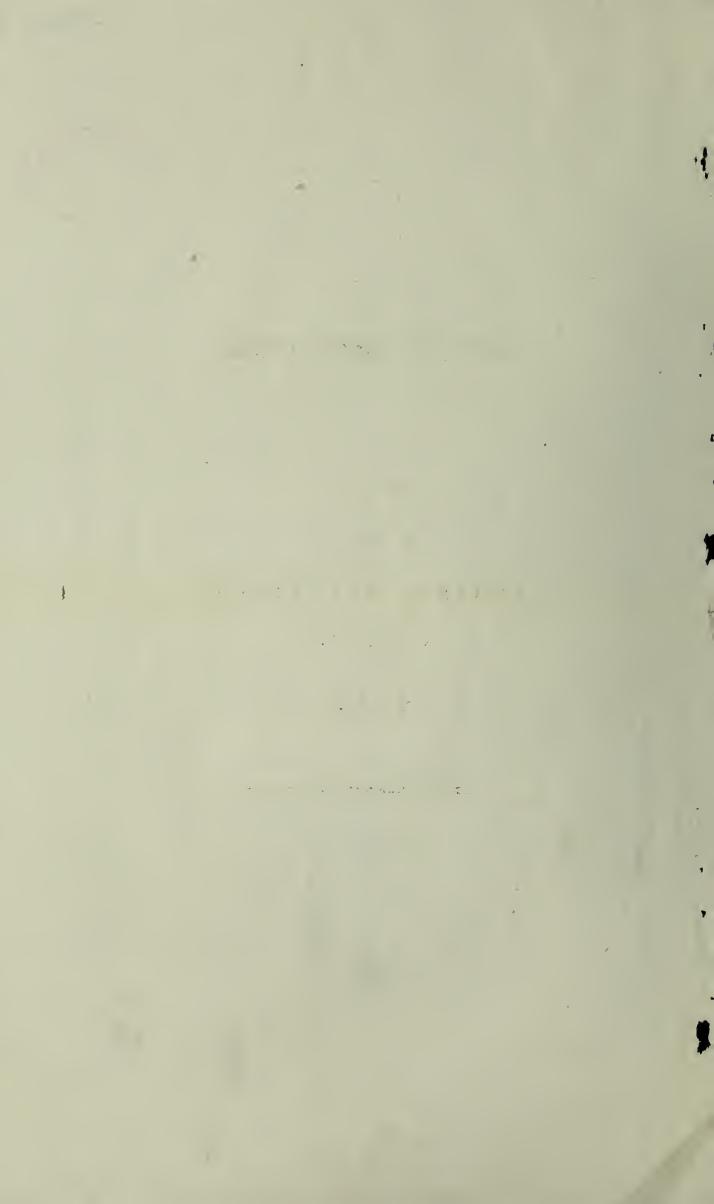
REPORT

of the

MEDICAL OFFICER OF

HEALTH.

1 9 4 0.



# URBAN DISTRICT COUNCIL OF FAREHAM.

To the Chairman and Members of the

Fareham Urban District Council.

Ladies and Gentlemen,

I have the honour to submit my third Annual Report upon the health of the District, and the work of the Public Health Department for the year 1940.

The Registrar General's estimate of the mid-year population is 34,570, an increase of 1410 persons, which figure is, however, very much on the low side, as it does not make allowance for the influx of evacuoes and others.

It is worthy of note that the Birth Rate is 21.2 per 1,000, compared with 20.0 for 1939, and 14.6 for England and Walos. The corrected Death Rate is 12.7 per 1,000, compared with 14.3 for England and Walos.

The Infant Mortality Rate is 42.6 per 1,000 live births, compared with 55.0 for England and Wales.

The general health of the district continues to be satisfactory in spite of war conditions with their attendant strains on the public.

A depletion of staff occurred when the Additional Sanitary Inspector left in April, 1940, for another appointment and it has not been possible to find a successor.

Owing to the loss of staff and the many war duties imposed on myself and the Chief Sanitary Inspector, the routine work of the Public Health Department has suffered to some extent.

In conclusion, I would like to express my thanks to the members of the Council, and especially to the Chairman and Members of the Public Health Committee, for their helpful co-operation.

I also appreciate the officient way the work was carried out by the staff of the Public Health Department, and especially for the help of Mr. R. J. Baker, the Chief Sanitary Inspector.

I have the honour to be, Ladios and Gentlemon, Your obedient Servant,

A.R.GRAHAM.

Medical Officer of Health.

Digitized by the Internet Archive in 2017 with funding from Wellcome Library

C.PY.

Fareham Urban District Council,
Fublic Health Department,
Westbury Manor,
Fareham, Hants.

20th September, 1941.

Sir,

M.C.H. Annual Report, Fareham, Hants.

I have to bring to your notice a typing error on page 2 of my Annual Report for 1941.

In the 3rd. line from the top of the page "Population" - 43, 570" should read "Population - 34, 570."

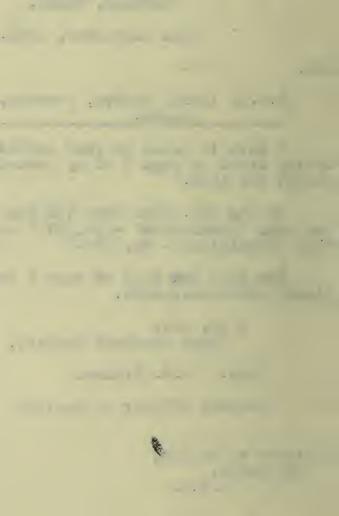
You will note that on page 1 the figure given correctly,

I am, Sir, Your obedient Servant,

(Sad.) A.R. Graham.

Medical (fficer of Health.

inistry of Health, hitchall,



SECTION A. - STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in Acres, 18,352. Population (Registrar General's Estimate mid 1940) 43,570. Number of inhabited houses (end of 1940) according to Rate

Books, Approx. 11,000. Ratoable Value £248,587.

Sum represented by a penny rate, estimated for 1940-41, £900.

# Natural and Social Conditions of the Arca.

No approciable change.

#### Special Items of Note.

The pepulation has been much increased by evacuous and others from neighbouring and far away towns. This has often resulted in temperary evercrowding which was unavoidable.

In spite of the war conditions, overcrowding and use of outdoor Public Sholters, little appreciable offect has been observed on the health of the people, either from general or infectious disease, except for a slight increase in cases of Corebro Spinal Maningitis.

The death rate has increased slightly as is general all over the Country, but figures for the Fareham Urban District show up favourably in comparison.

The work of Diphtheria Immunisation has been considerably increased owing to numerous applications from evacuoes and from the increased propaganda, both as regards school children and those under school age.

When a school is invited about 80% to 90% of the children are immunised if not already done.

This number drops in the course of the year ewing to non immunised children arriving.

Only one case of Diphtheria occurred in this year.

Owing to increase of population in cortain areas an increase of sewerage was required and the work was put in hand and completed.

#### Vital Statisics.

M. F. Total
(Legitimate 348 359 707.
Live Births ( Birth Rate 21.2 per 1,000
(Illegitimate 11 15. 26. 359 374 753

Live Birth Rate for England and Wales 14.6 per 1,000.

M. F. Total.

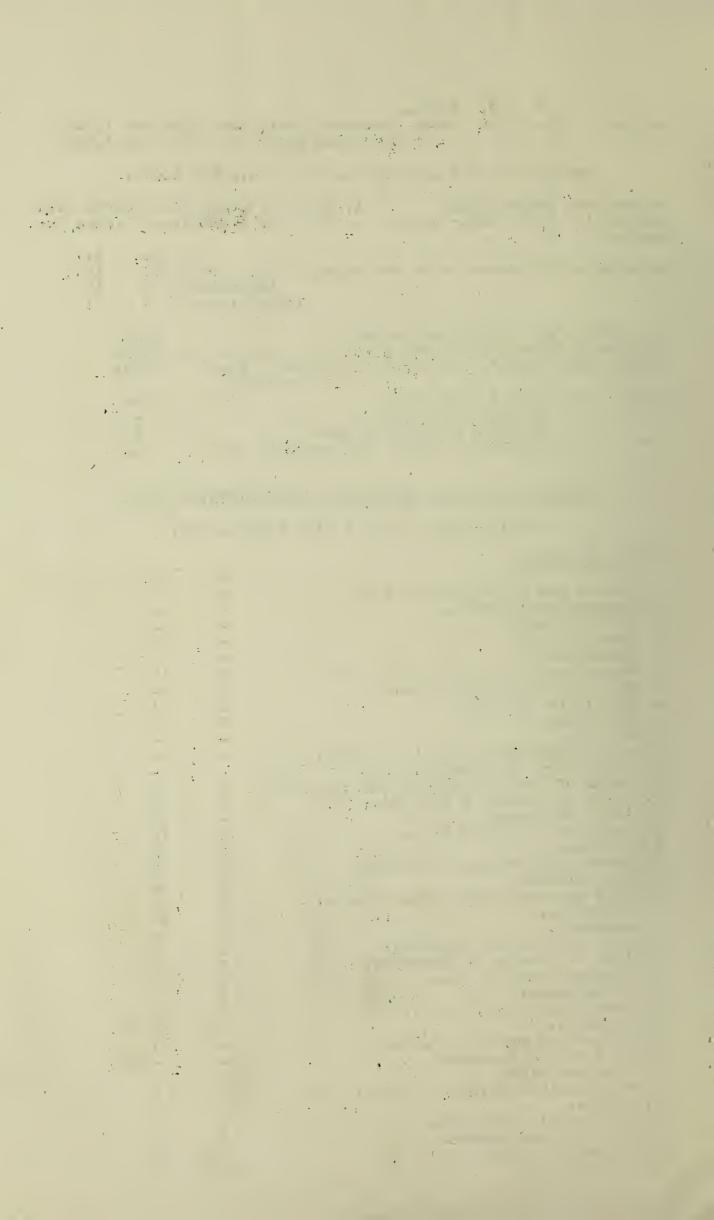
(Logitimate 16 8 24. Rate per 1,000 total (live and still) Births 54.3.

(Illegitimate 1 1 25



## F. Total. M. 443. Recorded Death Rate 12.8 per 1,000. Corrected Death Rate 12.7 per 1,000. Deaths 215 228 Death Rate for England and Wales 14.3 per 1,000. Doaths from (From Sepsis . 1. Rate per 1,000 total births 0.1. Puerperal ( " other causes - Rate per 1,000 total births 0.0. causes Death Rate of Infants under one year of age: Total 16. 15 Logitimato 14 -1 Illogitimate 42.6. All Infants per 1,000 live births Logitimate Infants per 1,000 logitimate live births Illogitimate Infants per 1,000 illogitimate live 41.3. 76.9. births. from Cancor (all agos) 56. " Moasles (all ages) " Whooping Gough (al 88 Whooping Cough (all agos) 2. 11 Diarrhooa (undor two years of ago). CAUSES OF DEATHS IN FAREHAM URBAN DISTRICT 1940. All Causes: - Males 215: Females 228. CAUSES OF DEATH:

The state of the s	Μ.	$\mathbf{F}$ .
1. Typhoid and Paratyphoid Fever		
2. Corebro-Spinal Fover.	-	-
3. Scarlet Fever.	. 🚣	-
4. Whooping Cough.	. ••	2
5. Diphtheria.		
6. Tuberculesis of respiratory system.	14	11
7. Other forms of tuberculosis.	2	p=4
8. Syphilitic discases.	1	1
9. Influenza.	3	4
10.Mosslos.	. =	
11.Ac:polio-myclitis & polio-encephalitis	. ••	
12.Ac:infective encephalitis.		-
13.Cancor of b:cav: & ocsoph:(m) utcrus(F)		8
14. Cancor of stomach & duodenum	ī	4
15. Cancer of breast.	,	11
16. Cancer of all other sites.	16	12
17, Diabotos.	2	2
18.Intracranial vascular losions.	17	17
19. Heart disease.	51	52
20.0ther diseases circulatory system.	7	9
21. Bronchitis.	14	10
22. Pnoumonia.	13	14
23.0ther respiratory diseases.	2	
24. Ulcor of stomach or duodonum.	3	2 1
25. Diarrhoca under 2 yrs.	1	
26. Appondicitis.	i	1
27.0ther digestive discases.	7	8
28. Nophritis.	•	7
29. Puorporal & post-abort, sopsis.	4 ÷	3 1
30.0thor maternal causes.		
31. Premature birth.	<b>64</b>	M 17
32. Con.mal.birth injuries infant: dis.	6	3
33. Suicide.	5 3	8
34.Road traffic accidents.	5 7	6 1
35.0ther violent causes.	7	
36.All other causes.	•	8
All causes	24	25
TIT OCUSOS	215	228



SectionB.-General Provisions of Health Services for the Area.

Public Health Officers. - A.R.Graham, M.B., CH.B., D.P.H., Medical Officer of Health, R.J.Baker, M.R. SAN.I., Chief Sanitary Inspector and Meat Inspector, M.T.Parry, A.R.SAN.I., M.I.H., Sanitary Inspector, (Resigned April 1940). L.R.Campbell, and Miss P.V.Chandler, Clerks.

Taboratory Facilities. - The Hampshire County Council provide full facilities for Chemical and Bacteriological examinations.

Ambulance Facilities. General and Accident Cases.

A motor Ambulance is provided by the Order of St.John
and the British Red Cross Society. It is maintained by
the Council, through the Fire Department, Telephone Farcham 2222.

Infectious Diseases- The Farcham Urban District Council provide an Ambulance for removal of Infecticus cases.

Nursing in the Home. Training and providing of District Nurses and Midwives is supervised by the Hampshire County Nursing Association.

81, North Wall, Winchester, Tel. Winchester 1502.

Infectious Diseases. The Infectious Diseases
Hospital is situated in the Farcham West Ward and is the
property of the Council. Cases are received from Farcham
and part of the Droxferd Rural District. As there is

limited accommodation arrangements are made as required for treating surgical and other cases at other infectious diseases hospitals.

Hospitals.

Tuberculosis.

Sanatorium treatment is provided by the County Council
at Chandlers Ford and Bishopstoke.

Small Pox. -Accommodation for those cases is provided by the County Council.

General Hospitals. - There are none within the boundaries of the Urban District. The hospitals at Southampton, Portsmouth, and Winchester are available. Necessitous cases are accommodated through the Farcham Public Assistance Committee.

Maternity. - At present, patients requiring hospital treatment go to St. Mary's Hospital, Portsmouth, or in necessiteus cases to the Public Assistance Institution, Gosport.

In view of the increasing population, extra provision may require to be made in the future.

\$. →. Marian 6. 

#### CLINICS AND TREATMENT CENTRES.

#### Tuberculosis.

Under County Medical Officer, The Castle, Winchester. (Phone Winchester, 1004.).

T.B.	Clinics	Mondays	9-30 - 12 a.m.	* · · · · · · · · · · · · · · · · · · ·
Ħ	11	Wod.	9-30 - 12 a.m.	the state of the s
11	tı	Thurs.	9-30 - 12 a.m.	Farcham. Park Way, Havant.

# Maternity and Child Welfare.

Under County Medical Officer.

M.C.V	V.Clinics	Farcham.	2.30.p.m. 1st 2nd 3rd 4th Friday,
			Methodist Church Hall.
it .	13	Portchester.	2.30.p.m. Every Wodnesday.
			Cormorant, Castlo Stroot.
11	11	Stubbington.	2.30.p.m. 2nd 4th Thursday.
			Reading Room.
11	11	Titchfield.	2.30.p.m. 1st 3rd Monday,
			Sunday School Room, The Square.
TP .	11	Sarisbury.	2.30.p.n. Mondays.
		v	British Logion Hall, Park Gate.

#### Ante Matal Clinics.

Under County Medical Officer.

Farcham	-	2 p.m. 2nd 3rd 4th Mondays.
		Mothodist Church Hall.
Portchoster	-	2 p.m. Cormorant 3rd Thursdays.

# School Medical Inspection.

Under County Medical Officer.

#### Health Visitors.

Under County Medical Officer.

## Teacinablen. District Modical Officers and Public Vaccinators.

Dr. T. Kirsopp - Fareham and Tortohostor.
Dr. D.A. Windomor - Titchfield, Sarisbury, Warsash and Crofton.

. . . . 

### SECTION C .- SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply. - The District is supplied with water from various sources, namely: -

1. FAREHAM. - Farcham Waterworks.

2. PORTCHESTER. - The Portsmouth Waterworks Company.

3. CROFTON. - The Gosport Waterworks Company.

4. SARISBURY, TITCHFIELD and WARSASH. - The Southampton Waterworks Company.

Farcham. - The Farcham Waterworks are the property of the Farcham Urban District Council and supply all the Farcham East and West Wards except for a few houses, which for convenience are supplied by the Gosport water mains.

The consumption of water from the Ferehem Waterworks for the year was 245,247,000 gallons, an increase above the preceding year of 49,924,000 gallons.

The number of houses supplied from the Council's mains is 4716, an increase of 233 houses above the preceding year.

The work of re-organising the Pumping Station was completed. Three new pumps have been installed, which are driven by electricity off the grid system. An oil engine to generate electricity has been installed as a stand-by. The chlorination plant that was installed has been working efficiently.

Samples of water were taken for analysis at least once a month, the results being consistently satisfactory.

# CROFTON, PORTCHESTER, SARISBURY, TITCHFIELD and WARSACH.

Reports on samples are periodically received and have been consistently satisfactory.

Other Supplice. There are still a number of shallow wells existing in the District, and whenever practicable, the Council contribute towards the cost of extending the mains as occasion arises.

# Drainage and Sowerage.

FAREHAM. - The Sowage Disposal Works are still in the process of being enlarged - the works have been delayed owing to the war.

CROFTON and PORTCHESTER. - Extensions of the sowers in those two wards have been carried out during the year.

SARISBURY. - A Sewerage System constructed to receive drainage from the Housing Site at Addison Road is working satisfactorily.

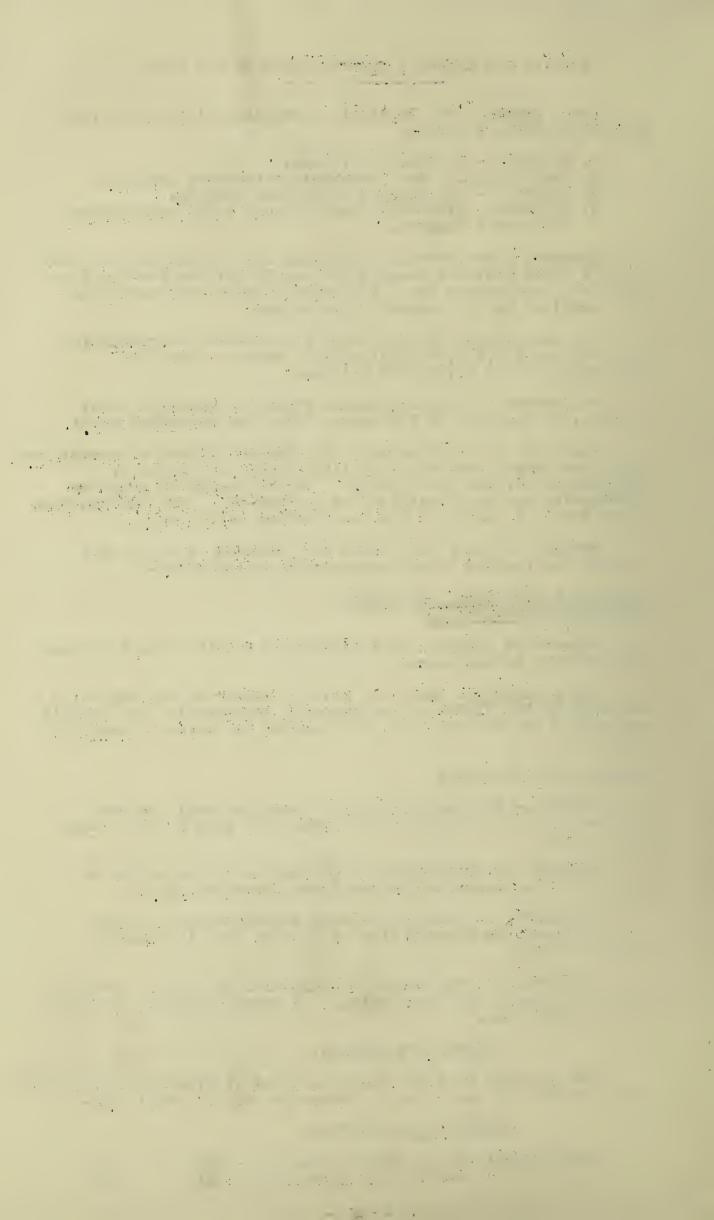
TITCHFIELD. - The works are insufficient to deal with the amount of sewage now discharging. A scheme is being propared to deal with this.

#### RIVERS AND STREAMS.

The effluent from the Disposal Works at Titchfield discharges into the River Meon, without giving rise to any complaints.

## CLOSET ACCOM TODATION.

Conversions: No. of Privy Closets to W.C's
No. of Pail Closets to W.C.'s
18.



Futlic Cleansing - House refuse is collected once weekly in the whole of the District, with the exception of outlying areas.

The work in the Farcham wards is done by direct labour. A 10 cubic yard freighter is used for this purpose and is proving satisfactory.

In other wards the work is done by contract, herses and lorries being employed.

The Council has now six mechanical vehicles for emptying cesspools, and this number is insufficient to deal with the cesspools, additional vehicles having to be hired as necessary.

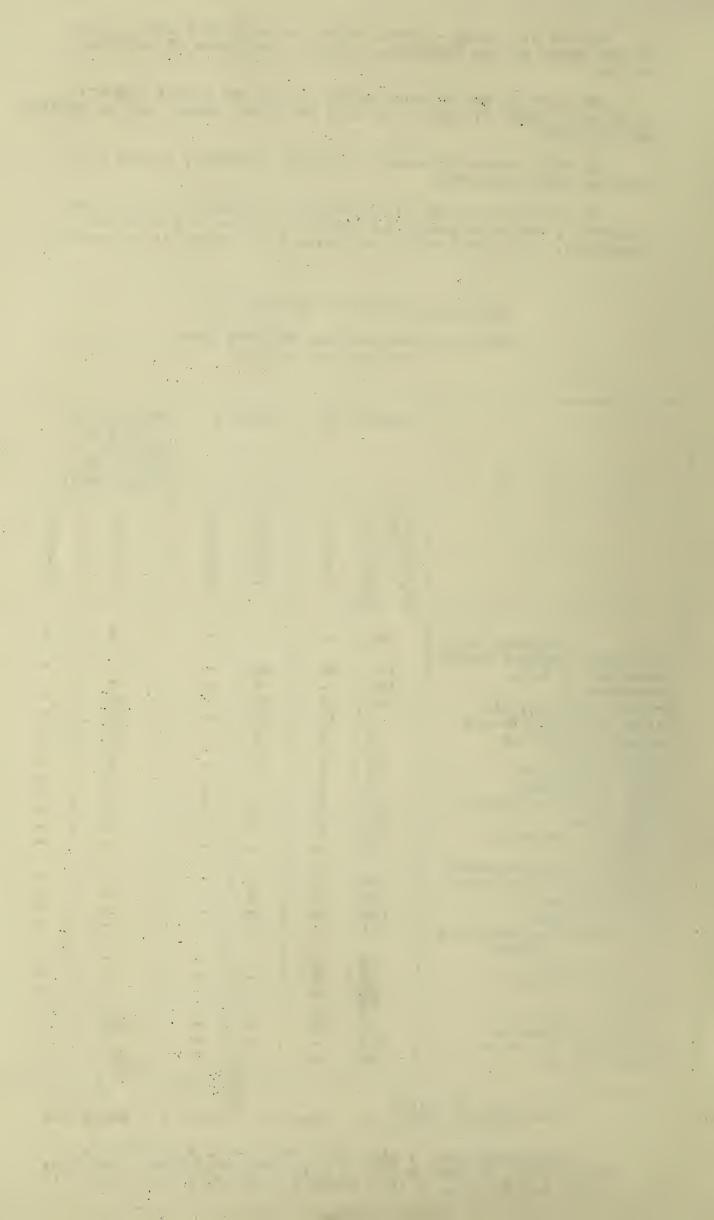
#### SANITARY INSPECTION OF THE AREA.

Summary of Inspections and Work Done.

	Numbo	er of	Noti	ccs	Nuisances abated or Defects remedied after act	•
	Inspectins and Ro- Inspectins	Defects	Informal	Statutory	Inspector	Authority
(Housing Acts Structural (Public Health Defects. (Acts. Overcrowding Drains and Cosspools Water and Pail Closets Keeping of Animals Water Supply Refuse and Manure Pools and Ditches Tents, Vans and Sheds Dairy Farms Milkshops and Stores Eakohouses Wietchles and Workshops (aktheding Bakehouses) Bloughterhouses Putchers Shops Shops (excluding Butchers Shops) Leaging Houses arteasive Trades tricis Infectious Discases Misecoloneous	19 105 133 298 40 19 47 15 19 30 106 36 27 89 27 132 21 15 12 24 3 25 104 32	- 34 83 19 28 53 26 2 - 51 - 1 20 -	- 30 53 10 28 31 162 - 51 1		9 41 48 13 20 53 1 32 - 41 - 20 - 20 -	1

Inspection of Food.
Carcases inspected, Pigs 70, Bovines 7. Shoop 10.

Condemnations. 1 pigs head and Pluck, 1 pigs head, 221bs. beef, 21 lbs. bacon, 4 cvt.Savoloys, 281bs. sausages, 2 cvt. Cod fillets, 4 lbs. Brisket of Beef, 6 lbs. tin veal.



# Roport ro Factories and Workshops.

1.- Inspections for purposes of provisions as to health including inspections made by Sanitary Inspector.

Promises (1)	Inspections (2)	Written Notices (3)
Factories with mechanical power Factories without mechanical power	89 27	5 -
Total	116	5

#### 20 Defects found.

Particulars (1)	the six make respective and a specific probability of the party of	r of Defects. Remedied (3)
Want of Cleanliness (S.1). Overcrowding (S.2) Unreasonable temperature (S.3) Inadequate ventilation (S.4) Ineffective Drainage of floors(S.6) Insufficient Sanitary Conveniences (S.7) Unsuitable or defective Not separate for sexes	14	1 3
Total	5	4

# Shops Act, 1934.

Shops were inspected under this Act during the years. It was not found necessary to take any action.

#### Smoke Abatement.

No cases have arisen requiring the Council's attention.

## Swimming Baths and Pools.

There are no such Baths open to the public within the area.

# Eradication of Bad Bugs.

Infested.

Disinfested.

1. Council Houses
Other Houses

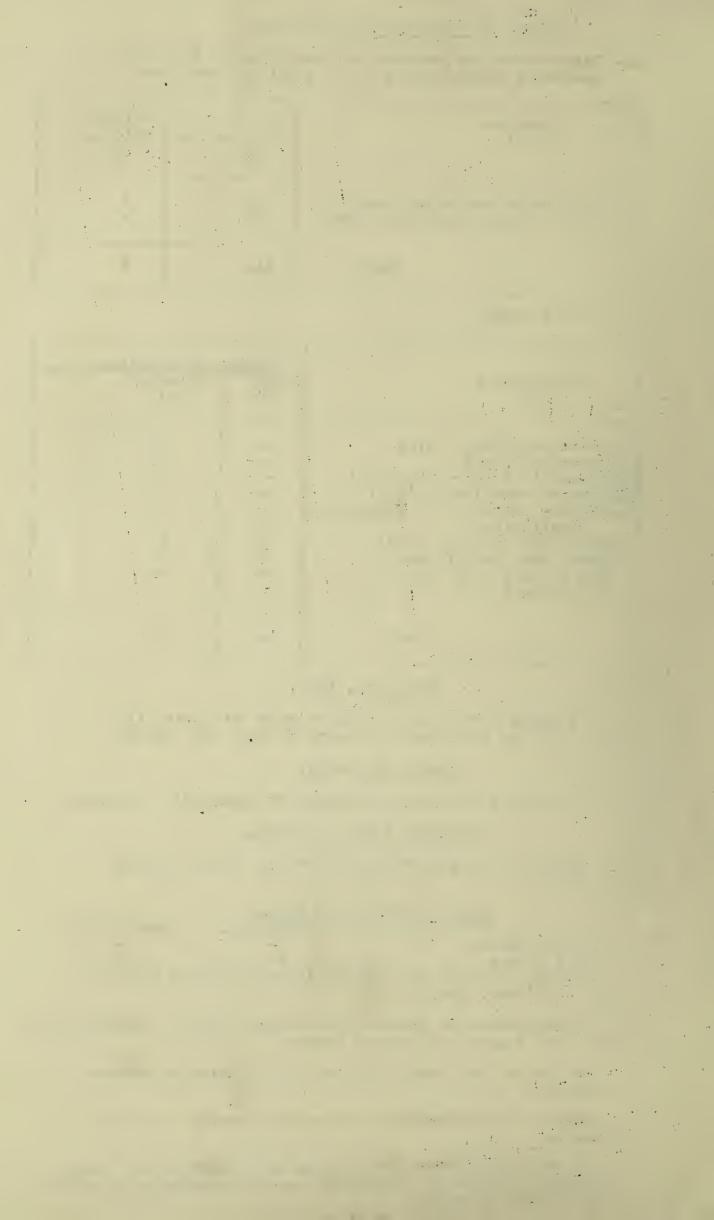
20

20

- 2. Mothods employed for freeing infested houses from bed bugs Zaldocido Spray.
- $5_{\,\circ}$  An inspection of prospective tenants! houses is carried out before the removal to Council houses.

No action was found necessary to deal with  $v \in \mathsf{rminous}$  belongings.

- 4. Works of disinfostation are carried out by the Local Authority.
- 5. In order to prevent infestation or re-infestation after eleansing, tenants are instructed as to eleanliness and after, check visits are made.



#### Schools.

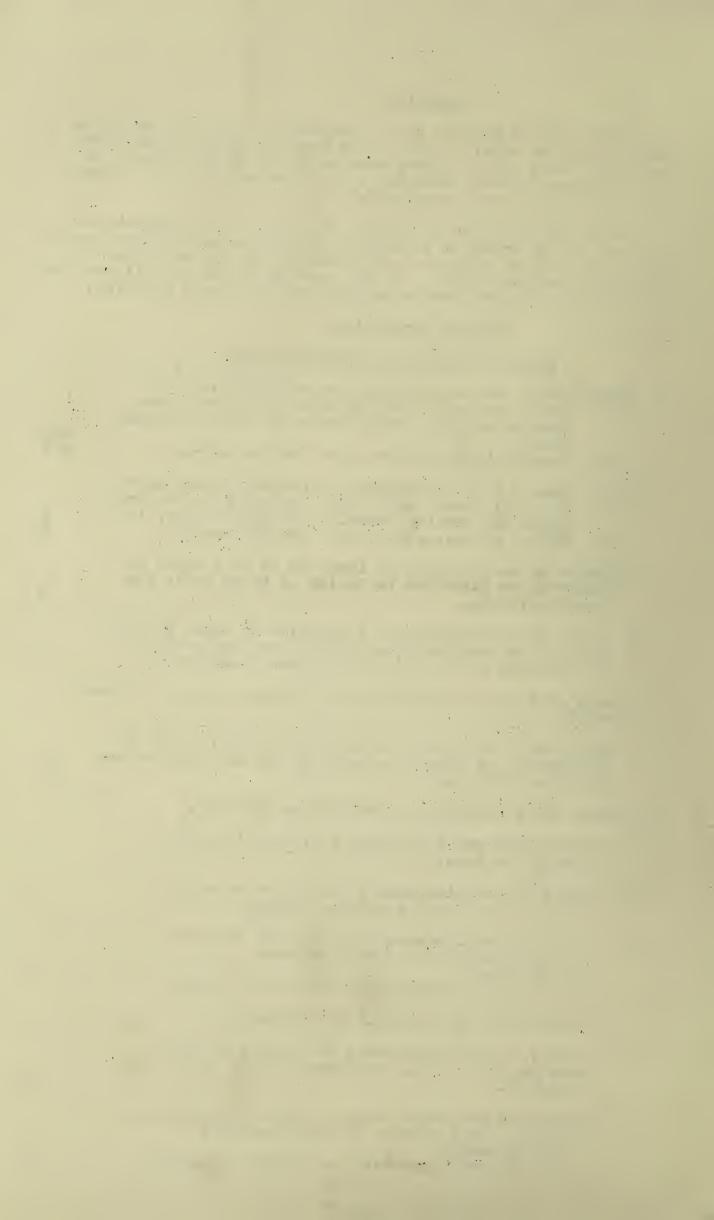
There are 16 Schools in the District. With one exception the Schools are supplied with water from the water mains. The quality of well water at Hook Schools is not satisfactory, and as a temporary measure drinking water is conveyed to the School in a 20-gallon covered container.

With regard to the prevention of the spread of infectious disease, the practice is to isolate all centacts, spray patient's dosk, etc., after every case, and when necessary, to disinfect the Sch clroom or School. In the case of Diphtheria all contacts have their noses and throats swabbed for the casual organism.

### Scotion D.-Housing.

## Housing Statistics (Public Health).

1. Inspection of Dwelling-houses during the Year. (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing	343
Acts). (b) Number of inspections made for the purpose	613
(2) (a) Number of dwelling-houses (included under sub- head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 (b) Number of inspections made for the purpose	0
(3) Number of dwelling-houses found to be in a state so a dangerous or injurious to health as to be unfit for human habitation.	0
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.	0
2. Remady of Defects during the Year without Service of forma metices.	:1
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.	132
3. Action under Statutory Powers during the Year.	
AProceedings under Sections 9, 10 and 16 of the Housing Act, 1936.	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	0
(3) Number of dwelling-houses which were rendered fits after service of formal notices: (a) By owners (b) By local authority in default of owners	1
Bar Proceedings under Public Health Acts:	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied.	0
(2) Number of dwelling-bouses in which defects were remedied after service of formal notices. (a) By owners (b) By local authority in default of owners	0



- Oc- Proceedings under Sections 11 and 13 of the Housing Act, 1936.
- (1) Number of dwelling-houses in respect of which Demolition Orders were made.
- 0
- (2) Number of dwelling-houses demolished in pursuance of Demolition Orders.
- 0
- (3) Number of dwelling-houses demolished after informal action.
- 0
- (4) Number of dwelling-houses demolished (Glearance Areas)
- 0
- D.- Prococdings under Section 12 of the Housing Act, 1936.
  - (1) Humber of separate tenements or underground rooms in respect of which Closing Orders were made.
- 0
- (a) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, who tenement or room having been rendered fit.

0

Housing Act, 1936 - Part IV - Overcrowding.

Owing to the increase of homeless people, evacuoes, and others, overcrowding unavoidably existed.

As conditions varied considerably form week to week 35 was not possible to keep records of this overcrowding.

It was alleviated as soon as other accommodation was available, and drastic action was not taken under the circumstances.

# Genoval Romarks.

No nouses were erected during the year.

The wortal number of houses that have been creeted by the douncil under the Housing Acts 1919-35 are:-

Geofuen 46; Farcham East 46; Farcham West 12; Portchester 80; Mariatury 70; Titchfield 94; Warsdah 54. Total 402.

Readion E. - Inspection and Supervision of Food.

Milk Supply. There are 46 deiry farms, 6 milk shops and 12 milk stores in the District, also 63 retail purveyors of milk, 15 of whem supply milk from premises outside the District. The purpose of the cowsheds are satisfactory, and the remainder are gradually being brought up to the required standard.

Makereulous Milk. - Examination of specimens for Tuberculous

Supplementary Licences-Tuberculin Tested 6. Pasteurized 2.

the and other Foods. Shops were regularly visited.

The mention of animals is now carried out centrally the local laughter houses were no longer in use. Where occasional elegener under licence occurred the animals were inspected.

The inspection of sound and unsound careases was thus a rander for the central slaughter house, which is subside the district.

Bakohouses. Bakohouses continue to be kept in a clean and settle lastery condition.

N To a A Company \_

Diphtheria. It is outstanding that only one case of Diphtheria occurred during the year which was a mild case in an adult.

Froe supply of Diphthoria Antitoxin is available to general practitioners for early treatment of cases.

Scarlet Fever. 70 cases of Scarlet Fever occurred of which 61 went to hospital.

A few of the cases were combined with other infectious diseases such as Whooping Cough but very few complications arose.

Corobro Spinal Moningitis. Ninc cases occurred during the year when the disease was to some extent epidemic throughout the Country.

Immunisation against Diphtheria. The scheme has been extended to include school children under 14 years of ago.

The following is a summary of treatments carried out:-

1st. Dosc.

Age in years		1	2 -	4	5 -	14	To	tol
	M	F	P.I	F	M	F	M	Fr. a.
Pro-school ago	55	33	51	49	-	-	73	82
School Children	-		-	-	189	178	189	178
	22	33	51	49	189	178	262	260

2nd. Dosc.

lge in years		1	2 -	4	5	14	То	tal
	M	F	M	F	M	म	M	F
@me-ashool age	21	23	<b>3</b> 3	41		<b>&gt;=0</b>	54	64
Sencol Children	<b>64</b>	-			147	139	1.67	139
	21	23	33	41	147	139	201	203

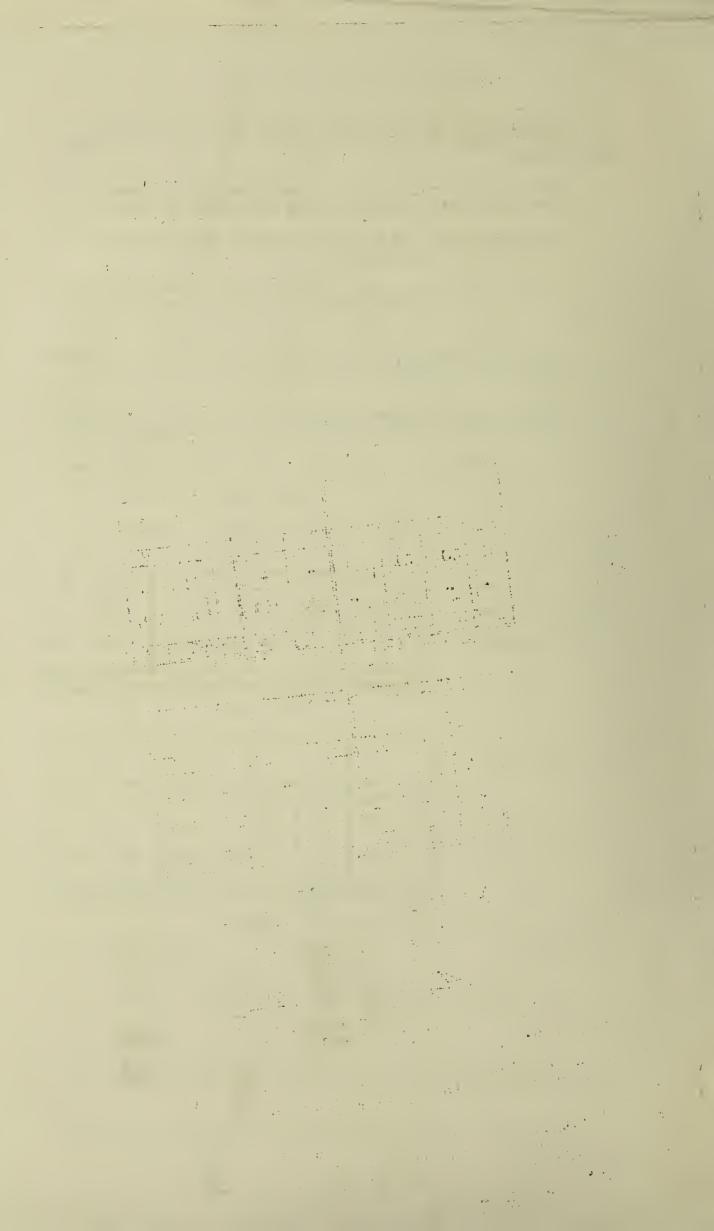
Three third doses were given.

GRAND TOTALS.	1st Dose.		2nd Dosc.
Boys Girls	262 260	Boys Girls	201 203
	522		404

Verminous Persons. There are no facilities for the obscassing of verminous persons, but verminous promises are semigated when required.

Mosquitoes. Systematic spraying is carried out of all pools, ditches and ponds found to be breeding grounds for mosquitoes.

Rodents. The duties under the Rats and Mice (Destruction) Act now devolve on the Local Authority and are supervised by the Chief Sanitary Inspector, who has been appointed the authorised efficer.



Motifiable Infectious Diseases (other than Tuberculosis) during the year 1940.

Disocso	Casas	Casos admitted to Hospital	Total Doaths
Small Pox Searlet Fever Diphtheria Puerperal Pyrexia Pneumonia Erysipelas Conthalmia Neonatorum Corebro Spinal) Meningitis Acute Pelicrylitis Acute Pelicrylitis Mosping Cough Measles	70 1 2 68 18 1 9 1 198 113	61 :-1 ? 3 -9 1 1 4	1 1 27 1 1 1 · ± 2 1
	482	81	30

Matifiable Infectious Diseases set out in Age Groups.

Piscaso	0 0	7 - 1 1 - 2	2 - 3	3 - 4	4 - 5	5 - 10	10 = 15	15 20	20 - 35	35 - 45	4,5 - 65	Over 65	Total
Small Pex Scarlet Fever Diphtheria Tuerporal Fyrexic Pneumoria Hrysipelas Dehthelmia) Mechaverum; derebre Spinal; Malingitia   Malingitia	1 - 1 - 1 - 1 - 97	1 2	14 - 15 - 17 2	19 - 1 - 153	7 - 1 - 2 - 153	27 - 5 - - 107 79	15 - 2 - 2 1 11 8	4 - 1	11 17 5 2 1 1 3	133 1	111 150 . 17 1 1 1 1 1 1 1		70 1 2 68 18 1 9 1 198 113
	23	18	29	53	28	218	29	13	31	20	26	9	482



# Notifiable Infectious Diseases set out in Wards.

Disonso	Crofton	Farcham East	Fercham West	Portchostor	Sarisbury	Titchfiold	Wersesh	Totel.	
Searlob Sever Diphtheria Puerporal)	1	1 -	- 9 1	14	10	32	3 -	70 1	
(Pyroxia ) (Angumonia (Angumonia (Angumonia (Angumonia)	185	<b>4</b> 4	- 16 5	1 26 3	10 2	3 1	ī -	2 68 18	
(Gerabro Spinal)	۲,	-	-	-	1	-		1	
Numingatias )	peri	2	4	2	-	-	1	9	
	1.4	-	••	-	1	-	-	2	
Micoping Litis) Whooping Cough Monslos	- 4 41	27 2	87 15	1 29 20	15 8	22 9	14 18	1 198 113	
	58	40	137	96	47	67	37	482	

Prevention of Blindness. No action was taken by the Local Acabouity under Section 66 of the Public Health Act, 1925.

# Tuborculosis.

New Cases and Mortality, 1940.

- Charles - Marketines (1966) - An American Amer	Service (Service Service Annual Annual Service Annual Service Annual Service Annual Service Annu	Nev	v Cas	Deaths				
ruspi (foxil 60s)	P	ulmonary	No: Pulm		Pulmonary		Non- Pulmonary	
the second was trively as the first trively and the second trively as the second trively	14.	F.	М.	F.	М.	F.	M.	F.
0. 1. 15. 15. 15. 15. 15. 15.	673342	7 3 4 1	1 3 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 4	1 2 1 3 1 1	1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	25	16	5	3	10	7	1	63

I have the honour to be, Ladies and Gentlemen,
Your obedient Servant,

A.R.GRAHAM,

TOPETAM.

M.B., CH.B., D.P.H.,
Modical Officer of Health.

